

CLAIMS

I claim:

1. A digital television system in a vehicle comprising:
 - a network that communicates audio, video and miscellaneous data signals;
 - 5 a display that receives the signals from the network and displays information from the signals;
 - an operating unit that requests a program or program information through the network; and
 - a television reception unit that processes a digital transmission signal having
 - 10 audio, video and miscellaneous data, the television reception unit further comprising:
 - a television receiver module configured to receive the digital signal;
 - a demultiplexer configured to separate the audio, video and miscellaneous data;
 - a matching stage configured to match the audio signal with the video signal;
 - a multiplexer configured to combine the audio and video signal into one data
 - 15 stream for transmission to a network;
 - an evaluation unit in communication with the demultiplexer and configured to receive miscellaneous data from the demultiplexer;
 - a memory configured to store the miscellaneous data and a controller that manages the miscellaneous data;
 - 20 a controller configured to receive commands and manage the miscellaneous data,
 - where the memory and the control unit form a server unit, the control unit is in operable communication with the operating unit, the television receiver module, and the demultiplexer, and the miscellaneous data is transmitted to the network by the controller when recalled from the memory.
- 25 2. The digital television system of claim 1 where the network comprises a Media Oriented Systems Transport (MOST) network.

3. The digital television system of claim 1 where the television reception unit further comprises an interface to the network.
4. The digital television system of claim 1 where the data saved in the memory is transmitted asynchronously to the network.
- 5 5. The digital television system of claim 1 where the controller is connected to the network via a control bus.
6. The digital television system of claim 1 where a content and an organization of the data saved in the memory are controlled by the controller.
7. The digital television system of claim 6 where the content is determined by a criterion
10 specified by the controller.
8. The digital television system of claim 1 where data is cyclically written to the memory from the controller.
9. The digital television system of claim 1 where the miscellaneous data transmitted to the network from the television reception unit and the miscellaneous data written to the
15 memory unit are selected by the controller.
10. The digital television system of claim 1 where the miscellaneous data written to the memory comprises program data for a television program currently received.
11. The digital television system of claim 10 where the program data saved in the memory comprises one of an Electronic Program Guide and a Multimedia Home Platform.
- 20 12. The digital television system of claim 1 where the data in memory is tested for plausibility or completeness, and when the data is in error, the data is substituted, or if missing, the data is supplemented where the demultiplexer is initiated and is configured to make the corresponding data available.

13. The digital television system of claim 1 further comprising a mobile telephone configured to communicate with the network.

14. A digital television reception unit in a mobile television system comprising:
a plurality of digital television reception modules configured to receive a plurality
5 of data streams of television signals;
a demultiplexer configured to separate video, audio, and miscellaneous data
signals from the data streams;
an evaluation unit configured to evaluate the content of the miscellaneous data;
a memory that saves the miscellaneous data according to a specified criteria;
10 a controller configured to sort and manage the saved miscellaneous data, where
the controller is configured to communicate with at least one of the plurality of television
reception modules; and
a network interface configured to transmit the audio and video signals into a
network and the network interface is configured to communicate with the controller.

15. The digital television reception unit of claim 14 where the miscellaneous data
comprises program data related to programs other than a program being received.

16. The digital television reception unit of claim 14 where one of the plurality of
television reception modules and the controller process miscellaneous data in a background
operation for a program other than a program being currently processed and displayed.

20 17. The digital television reception unit of claim 14 where the operable connection
between the controller and the network interface comprises a bi-directional bus that is
configured to transmit miscellaneous data into the network.

18. The digital television reception unit of claim 14 where the controller and the memory
form a server configured to transmit the miscellaneous data to one of the plurality of displays.

25 19. The digital television reception unit of claim 14 where the network comprises a ring-
shaped Media Oriented Systems Transport network.

20. The digital television reception unit of claim 14 where the network is configured to carry commands from an operating unit operably connected to the network to the controller.

21. The digital television reception unit of claim 20 where the controller is configured to retrieve miscellaneous data from the memory for display.

5 22. A method for receiving digital television signals in a mobile digital television reception system comprising:

receiving a plurality of digital data streams comprising coded and compressed television signals;

10 separating audio data, video data, and miscellaneous data from each of the plurality of digital data streams;

evaluating a content of the miscellaneous data;

saving the miscellaneous data according to a specified criterion;

sorting and managing the saved miscellaneous data;

transmitting the audio and video data into the network; and

15 requesting the saved miscellaneous data for display.

23. The method for receiving digital television signals of claim 22 where transmitting the audio data and the video data into the network further comprises transmitting the audio data and the video data in real-time.

20 24. The method for receiving digital television signals of claim 22 where evaluating, saving, and requesting the miscellaneous data does not occur in real-time.

25. A digital television reception unit in a mobile television system comprising:

means for receiving a plurality of data streams of digital television signals;

means for separating video data, audio data, and miscellaneous data signals from the plurality of data streams;

25 means for evaluating the content of the miscellaneous data;

means for saving the miscellaneous data according to a specified criteria; and

means for controlling, sorting, and managing the saved miscellaneous data from the plurality of data streams.

26. The digital television reception unit of claim 25 further comprising means for interfacing to means for networking the video data, audio data and miscellaneous data between the digital television reception unit and a display; and means for responding to requests for the miscellaneous data between an operating unit and the means for controlling.